

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|----------|---------------------------------------|--|------------------|---------|------------------|
| L1 | 801 | (priority near3 (type set)).ab,ti. | US-PGPUB; USPAT | OR | ON | 2007/08/05 10:03 |
| L2 | 203 | priority with deadline with task | US-PGPUB; USPAT | OR | ON | 2007/08/05 10:04 |
| L3 | 3 | 1 and 2 | US-PGPUB; USPAT | OR | ON | 2007/08/05 10:04 |
| L4 | 22845951 | @ad<"20020726" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:08 |
| L6 | 1 | (US-20030172104-\$).did. | US-PGPUB | OR | OFF | 2007/08/05 10:07 |
| L7 | 0 | (US-20030172104-\$).did. and tcb | US-PGPUB | OR | OFF | 2007/08/05 10:08 |
| L8 | 6399 | (task with (id identifier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:08 |
| L9 | 35760 | priority with (task process) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:09 |
| L10 | 1994 | deadline with (task process priority) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:09 |
| L11 | 94 | 8 and 9 and 10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:09 |
| L12 | 32 | 4 and 11 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:10 |

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| L13 | 2 | 12 and (tcb dcw) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:11 |
| L14 | 2064 | priority with hierarchy | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:11 |
| L15 | 2 | 12 and 14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:13 |
| L16 | 1956 | (multiple plurality) with priority with type | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:13 |
| L17 | 1 | 12 and 16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:13 |
| L18 | 271 | ((multiple plurality) with priority with type).ab,ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:15 |
| L19 | 171 | 4 and 18 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:14 |
| L20 | 46 | 9 and 19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:14 |

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|-----|------|---|---|----|-----|------------------|
| L21 | 46 | 20 and 4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:14 |
| L22 | 75 | ((multiple plurality) with (priority near2 type)).ab,ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:15 |
| L23 | 12 | 9 and 22 and 4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 10:16 |
| L24 | 1 | ("20040054998").PN. | US-PGPUB; USPAT | OR | OFF | 2007/08/05 10:23 |
| L25 | 1 | ("7155716").PN. | USPAT | OR | OFF | 2007/08/05 11:15 |
| L26 | 1 | 25 and (stor\$4 memory) | USPAT | OR | OFF | 2007/08/05 11:17 |
| L27 | 3 | tcb with priority with (task adj (id identifier)) | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:17 |
| L28 | 2 | 4 and 27 | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:45 |
| L29 | 21 | second adj type adj priority | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:24 |
| L30 | 13 | 4 and 29 | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:24 |
| L31 | 30 | tcb and (((tcb memory) near3 (block position)) with priority) | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:46 |
| L32 | 25 | 4 and 31 | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:47 |
| L33 | 24 | 32 and task | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:12 |
| L34 | 2085 | writ\$4 with (memory position tcb) with priority | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:56 |
| L35 | 13 | 34 and tcb | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:05 |
| L36 | 9 | 4 and 35 | US-PGPUB; USPAT | OR | ON | 2007/08/05 11:57 |
| L37 | 129 | tcb and dcb | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:12 |
| L38 | 84 | 37 and 4 | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:13 |

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| L39 | 5 | 38 and (priority with task) | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:16 |
| L40 | 0 | 39 and deadline | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:13 |
| L41 | 1 | (priority with task).ab,ti. and tcb and (priority with writ\$4 with position) | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:16 |
| L42 | 4 | (priority with task).ab,ti. and tcb and (priority with writ\$4 with (memory block position)) | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:17 |
| L43 | 3 | 42 and 4 | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:21 |
| L44 | 49 | (priority near3 tcb) | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:21 |
| L45 | 32 | (priority with task) and 44 and 4 | US-PGPUB; USPAT | OR | ON | 2007/08/05 12:31 |
| L46 | 1 | ("6684280").PN. | USPAT | OR | OFF | 2007/08/05 13:05 |
| L47 | 1 | 46 and (receiv\$4 with task with (id identifier)) | USPAT | OR | OFF | 2007/08/05 13:07 |
| L48 | 1 | 46 and (execut\$4 with task) | USPAT | OR | ON | 2007/08/05 13:08 |
| L49 | 1 | 46 and ((execut\$4 with task) same (id identifier)) | USPAT | OR | ON | 2007/08/05 13:10 |
| L50 | 1 | 46 and ((execut\$4 with task) same priority) | USPAT | OR | ON | 2007/08/05 13:44 |
| L51 | 0 | 46 and (stor\$4 with (id identifier)) | USPAT | OR | ON | 2007/08/05 13:44 |
| L52 | 0 | 46 and ((stor\$4 writ\$4) with (id identifier)) | USPAT | OR | ON | 2007/08/05 13:45 |
| L53 | 0 | 46 and ((id identifier) with tcb) | USPAT | OR | ON | 2007/08/05 13:45 |
| L54 | 1 | 46 and tcb | USPAT | OR | ON | 2007/08/05 13:49 |
| L55 | 32 | tcb with ((id identification identifier) near3 task) | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:55 |
| L56 | 5 | tcb with ((id identification identifier) near3 task) with priority | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:50 |
| L57 | 4 | 4 and 56 | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:54 |
| L58 | 388 | tcb with (link address) | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:57 |
| L59 | 76 | 58 and (task with priority) | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:57 |
| L60 | 71 | 4 and 59 | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:55 |
| L61 | 29 | (tcb with (id identification identifier)) and 60 | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:55 |

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|-----|-----|--|---|----|-----|------------------|
| L62 | 27 | tcb with (link and address) | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:59 |
| L63 | 5 | 62 and (task with priority) | US-PGPUB; USPAT | OR | ON | 2007/08/05 14:00 |
| L64 | 4 | 4 and 63 | US-PGPUB; USPAT | OR | ON | 2007/08/05 13:58 |
| L65 | 1 | (tcb with (link and address)) same priority | US-PGPUB; USPAT | OR | ON | 2007/08/05 14:00 |
| L66 | 32 | (tcb with (link address)) same priority | US-PGPUB; USPAT | OR | ON | 2007/08/05 14:00 |
| L67 | 29 | 66 and (task with priority) | US-PGPUB; USPAT | OR | ON | 2007/08/05 14:00 |
| L68 | 27 | 67 and 4 | US-PGPUB; USPAT | OR | ON | 2007/08/05 14:21 |
| L69 | 19 | 68 and (task with (id identifier identification)) | US-PGPUB; USPAT | OR | ON | 2007/08/05 14:21 |
| L70 | 1 | (US-20040054998-\$).did. | US-PGPUB | OR | OFF | 2007/08/05 14:42 |
| L71 | 1 | (US-20040054998-\$).did. and (media medium wave carrier) | US-PGPUB | OR | ON | 2007/08/05 14:43 |
| L72 | 1 | (US-20020065867-\$).did. | US-PGPUB | OR | OFF | 2007/08/05 14:44 |
| L73 | 1 | (US-20020065867-\$).did. and (medium program method process) | US-PGPUB | OR | OFF | 2007/08/05 14:46 |
| L74 | 1 | (US-20030172104-\$).did. | US-PGPUB | OR | OFF | 2007/08/05 14:46 |
| L75 | 1 | 74 and (medium program method process) | US-PGPUB | OR | OFF | 2007/08/05 15:23 |
| L76 | 297 | (kunihiko with hayashi).inv. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/05 15:24 |
| L77 | 3 | 76 and (priority and task).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/05 15:26 |
| L78 | 1 | ("7086057").PN. | USPAT | OR | OFF | 2007/08/05 15:27 |
| L79 | 0 | "11464864" .ap. | US-PGPUB; USPAT | OR | OFF | 2007/08/05 15:28 |
| S1 | 79 | (priorities with (task process)).ab,ti. | USPAT | OR | OFF | 2007/08/05 10:03 |

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| S4 | 86932 | ((id identifier tcb dc ^b) with (task process)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:30 |
| S5 | 6126 | (priorities with (task process)).ab,ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:39 |
| S6 | 27236 | (task process) with (deadline (complet\$4 near3 time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:32 |
| S7 | 389 | (type near2 priority) with (task process) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:33 |
| S8 | 307171 | (mobile cell) with (phone telephone) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:33 |
| S9 | 132 | wcet (worst\$1case with execution) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:34 |
| S10 | 22844912 | @ad<"20020726" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:34 |
| S11 | 1938 | 718/100.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:34 |

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| S12 | 1527 | 718/102.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:34 |
| S13 | 621 | 718/103.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:35 |
| S14 | 3551 | S11 S12 S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:35 |
| S15 | 1 | S5 and S7 and S6 and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:35 |
| S16 | 1 | S7 and S6 and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:36 |
| S17 | 5 | S1 and S4 and S6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:36 |
| S18 | 5 | S10 and S17 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:36 |
| S19 | 4 | S14 and S18 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:36 |

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| S20 | 50 | S5 and tcb | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:39 |
| S21 | 9 | S10 and S14 and S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:42 |
| S22 | 389 | (priority near2 type) with (task process) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:52 |
| S23 | 3 | S22 and tcb | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:46 |
| S24 | 2 | S10 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:43 |
| S25 | 290 | (second adj priority) with (task process) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:46 |
| S26 | 2 | S25 and tcb | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:46 |
| S27 | 1 | S10 and S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:46 |

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| S28 | 157 | (priority adj type) same (task process) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:52 |
| S29 | 0 | S28 and tcb | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:52 |
| S30 | 70 | (priority adj type) with (task process) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:53 |
| S31 | 36 | S10 and S30 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:57 |
| S32 | 0 | S31 and deadline | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:57 |
| S33 | 0 | S31 and wcet | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:57 |
| S34 | 13 | priority with (deadline and hierarchy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:58 |
| S35 | 4 | S10 and S34 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:59 |

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| S36 | 3 | (task with priority) and deadline and tcb and S10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/30 23:59 |
| S37 | 1 | (US-20030172104-\$).did. | US-PGPUB | OR | OFF | 2007/08/04 22:44 |
| S38 | 1 | ("7155716").PN. | USPAT | OR | OFF | 2007/08/04 22:45 |
| S39 | 1 | S38 and (priority with type) | USPAT | OR | ON | 2007/08/04 23:07 |
| S40 | 704 | (priority with deadline) | US-PGPUB; USPAT | OR | ON | 2007/08/04 23:10 |
| S41 | 27287 | (task process) with (deadline (complet\$4 near3 time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/04 23:10 |
| S42 | 377 | S40 and S41 | US-PGPUB; USPAT | OR | ON | 2007/08/04 23:11 |
| S43 | 22845224 | @ad<"20020726" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/04 23:11 |
| S44 | 202 | S42 and S43 | US-PGPUB; USPAT | OR | ON | 2007/08/04 23:11 |
| S45 | 19 | S44 and (task with (id identifier)) | US-PGPUB; USPAT | OR | ON | 2007/08/04 23:15 |
| S46 | 12 | S45 and priorities | US-PGPUB; USPAT | OR | OFF | 2007/08/04 23:15 |
| S47 | 4 | S46 and (wcet (worst\$1case)) | US-PGPUB; USPAT | OR | OFF | 2007/08/04 23:29 |
| S48 | 10647 | set adj3 priority | US-PGPUB; USPAT | OR | ON | 2007/08/04 23:29 |

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- #5 ((task and deadline and priority)<in>metadata)
- #6 ((~~task id~~ and priority and deadline)<in>metadata)
- #7 task and wcet and priority
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- #9 ((task and priority<in>ab) <and>deadline or wcet or tcb)
- #10 ((task and deadline and priority<in>ab) <and>(id or identifier or wcet))
- #11 ((task and deadline and priority<in>ab) <and>(id or identifier or wcet))
- #12 tcb and dcbs and priority and task

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Result # 1 Relevance:

Fluctuating Control Processing to Schedule Tasks on a Parallel Proces
1973-09-01 IPCOM000079768D English

The Fluctuating Control Principle is based on the assumption that a hierarchical structure is imposed on a program: Essentially, the structure of a program is considered to be a tree describing one syntactic unit.

Result # 2 Relevance:

Enhanced Error Recovery in a Virtually Addressed System Employing a Reserve of Real Units

1975-07-01 IPCOM000083653D English

Common memory apparatus is shared between a plurality of host CPU's, for example, (CPU-X, CPU-Y). Each host has its own virtual unit address space which may vary in size from CPU-X to CPU-Y. Additionally, each CPU has a name for data sets, or virtual volumes, which are ...

Result # 3 Relevance:

Computer System

1963-07-01 IPCOM000096552D English

This computer system is organized to reduce memory access time, and also to reduce the time required to access memory. Information must be put in and taken out of memory in order to process data. This includes a plurality of memory units 1, 2 and 3 which have independent access to memory.

Result # 4 Relevance:

Multiprocessing System Memory Access Queue and Scheduling Appar

1992-05-01 IPCOM000108323D English

This article provides a fast and efficient scheme to schedule processor memory request in a multiprocessing system for access to a central memory directory and multiported inter-memory. This scheme provides the capability to handle signal memory accesses ...

Result # 5 Relevance:

Swapping Memory using Complete Programs

1995-12-01 IPCOM000117105D English

A method to reduce thrashing while running large programs is disclosed. The program is loaded into one unit, even if it spans multiple segments in memory.

Result # 6 Relevance:

Method of Scheduling of Processing and Response Time

1977-03-01 IPCOM000087748D English

A task is the performance of some function through execution of a sequence of instructions. The execution of instructions is called processing (P). The units of P are normalized instructions. A normalized instruction represents some amount of CPU time. It is said that P is ...

Result # 7 Relevance:

System Organization for Execution of Parallel Operations in Algebraic

1964-05-01

IPCOM000095684D

English

The system is a generalized machine organization for the execution of parallel operation statements. There are included an indefinite number of processor's PROC 1... PROC N & an indefinite number of core memory units M1... MK as well as a Bus system ...

Result # 8 Relevance:

Dynamic Memory for Program Staging

1971-04-01

IPCOM000074389D

English

This system provides hardware assisted program staging (I/O initiated rollin/rollout) to memory subsystem. The basic system configuration is seen in drawing A. Central proce connected via bus 3 to main storage 5. The main storage is also connected ...

Result # 9 Relevance:

Execution Unit Synchronization and Cancel

1982-10-01

IPCOM000050373D

English

This article describes a method for interrupting program execution on a cooperative (nc basis such that a suspended execution unit may be terminated even though the suspen unit is awaiting a pending event. This is done in such a manner that a ...

Result # 10 Relevance:

Intrinsically Actuated Real Unit Operations for Virtual Unit Addressing

1975-04-01

IPCOM000083121D

English

Common memory apparatus shared by a plurality of host CPU's, each host having an in of virtual address spaces, require memory-actuated operations on real disk type memo supporting the independent virtual addressing. Each host has independently ...

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Search Provided is a program execution apparatus that appropriately determines an execution time for a plurality of tasks. The apparatus includes: a storing unit that stores an identifier of each task that exists, at a memory position therein determined based upon a plurality of priorities set for each task; a receiving unit that receives an identifier of a new task, an identifier of a target completion time for the new task, and a plurality of priorities set for the new task; and a writing unit that writes the received identifier of the new task and the identifier of the target completion time to the memory position in the storing unit determined based upon the received plurality of priorities.

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